

MEMORANDUM

DATE: July 16, 1986

TO: Alan Altier, U.S. EPA

FROM: Christopher Kren, EIT

SUBJECT: Calumet Refining Company, Burnham, Illinois
EED98497/J3/E05-9104 000/E110457PA

The Calumet Refining Company has been in operation since 1916. The company started out as a refinery, but in 1953 the refining of crude oil was stopped. Currently the facility operates mainly as a terminal station. Virgin stock oils from their refinery in Shreveport, Louisiana are shipped by rail, temporarily stored at the site, and dispatched by tanker truck to buyers throughout the midwest. A portion of the virgin stock oil is blended with additives to produce lubricant oils, which are also sold and shipped out in bulk. Additives used in this process are mainly purchased from companies such as Exxon, Chevron, and Texaco. The facility also manufactures additives, which are either sold directly to buyers or are used in the production of lubricant oils. A heavy residual fuel oil results from the blending process and is sold to another oil processor as Number 6 fuel oil. This site was originally identified by the Illinois EPA in the form of a Preliminary Assessment submitted to the U.S. EPA.

On Wednesday, May 14, 1986, EIT members performed a site inspection and interviewed Henry Banick and David Kucharsti of the Calumet Refining Company. The facility does not generate any waste. All oils present at the site are either products from the manufacturing process or the virgin stock oils are temporarily



placed on the site. Virgin stock oils, additives and lubricants oils are stored in above ground tanks. Small quantities of additives are stored in 55 gallon drums on a cement pad. Seven 250 gallon below ground tanks are used as process flow tanks. Additives are poured into these tanks, and pumped into above ground tanks to be blended with virgin stock oil.

During the facility's history, no major spills have occurred. The Calumet Refining Company has a Spill Prevention Plan on file with the IEPA. The western border of the site is diked to prevent runoff from entering the Grand Calumet River. The facility also has a closed sewer system. All effluent passes through a skimmer tank before entering the Metropolitan Sanitary District of Greater ^{the} Chicago system. The facility is fenced on three sides; the Grand Calumet River borders the western perimeter and acts as a natural barrier.